



Urban District of Whitefield.

ANNUAL REPORTS

FOR THE YEAR 1915

OF THE

Medical Officer of Health

AND

Sanitary Inspector.

Presented to the Council, May, 1916.

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Whitefield Urban District Council.

SANITARY COMMITTEE.

Councillor T. W. HOWARTH (*Chairman*).

„ J. W. ALLEN
 „ J. BRADSHAW
 „ C. COOK
 „ P. HEATON
 „ R. HOLT
 „ J. MORETON
 „ J. REDFORD
 „ F. REES
 „ J. W. TABINER, J.P.

Medical Officer of Health :

ARCHIBALD J. YOUNG, L.R.C.S.E., L.R.C.P.E.

Sanitary Inspector :

ELI SHAW, M.SAN.I.A.,
Certified Meat and Food Inspector.

Veterinary Inspector :

W. E. S. RICHMOND, M.R.C.V.S.



In conformity with the Housing (Inspection of the District) Regulations, 1909, the procedure to give effect to the Regulations and the requirements of Section 17 of the Housing and Town Planning Act, 1909, has been continued during 1915, but owing to the present national crisis inspections were only made where absolutely necessary. The officer to undertake the special inspection of houses and keep records stipulated by Article 2, is the Inspector of Nuisances. The necessary books, forms, &c., have been obtained.

The Council's scheme for the erection of 58 artisans' dwellings has obtained the sanction of the L.G.B. for the loan, and after tenders had been obtained, the scheme, owing to the present crisis, is still postponed until a more favourable opportunity presents itself.

I see from Mr. Shaw's Report that the total number of inspections of drains for the purpose of testing and examination is 375. The number of defects disclosed by the tests were 30.

In the case of new drainage where water is available, the "hydraulic" or "water" test is applied; where this is impracticable they are tested by "smoke."

The scavenging of the ashpits was satisfactory, the refuse being conveyed to a tip. The work was performed by the Sanitary Authority, the number of loads of refuse removed and the number of receptacles emptied being :—Loads, 2,233; Ashbins, 26,438; Ashpits, 1,235; Privy Middens, 2,317.

The Sanitary accommodation of the District at the end of the year was :—Fresh water closets, 692; waste water closets, 165 (this system of waste water closets, which has been found to give rise to various nuisances, has been discontinued, property owners being advised to substitute fresh water closets instead when practicable); pail closets, 70; privy middens, 414; ashbins, 415; dry ashpits, 211. Steady progress has been made with the conversion of insanitary privy middens to the water carriage system. Seventeen new fresh water closets have been provided in place of eight privy middens. In August a circular letter was received from the

L.G.B. advising Local Authorities to postpone as far as possible any expenditure on these lines, consistent with the maintenance of public sanitation. Acting on this suggestion, the Council postponed taking any action with the conversion of any further privy middens.

The Council have now had prepared a Scheme for the complete sewerage of Park Lane. An inquiry having been held by the L.G.B., the matter is held up until the termination of the war.

The drinking water is supplied by the Bury and District Joint Water Board, and is upland water received into reservoirs, but in my opinion requires filtering.

During the year, 14 cases were removed to hospital : 8 Scarlet Fever, 5 Diphtheria, and 1 Enteric Fever. Forty-two rooms in 26 houses were disinfected with the fumes of formaldehyde, and the interiors sprayed with a solution of formalin. Two public schools have been disinfected. Nine sets of bedding from patients with infectious disease have been disinfected by steam at the Isolation Hospital.

The number of registered workshops in your District is 62. They have been periodically visited and found to be in a satisfactory condition generally; 12 defects being discovered and all remedied. They were : Insufficient sanitary accommodation, 5; unsuitable or defective sanitary accommodation, 5; breach of special sanitary requirements for bakehouses (s.s. 97 to 100), 2.

There are six slaughter-houses in the District. 116 visits have been paid, and the following carcasses examined :—Beasts 57, sheep 151, pigs 30, 1 calf. The amount of meat examined and seized as being unfit for human consumption was 266-lbs. This denotes the very careful supervision which is exercised by the Meat Inspector, Mr. Shaw, with regard to the prevention of unsound meat being prepared for sale in the District.

The dairies and cowsheds have been inspected on 39 occasions.

During the year the Veterinary Inspectors continued to inspect milk cows in the District, for evidence of Tuberculosis and other unhealthy conditions which would be likely to affect the milk supply of your District. They visited the various cowsheds 66 times, and examined 863 cows, and in several cases which were suspicious isolated the milk. Five samples have been taken by Mr. Shaw, and examined by Professor Delepine, with the result that one cow was found to be giving tubercular milk. (See Veterinary Inspector's Report.)

Twenty-two Smoke Observations were taken of the mill and works chimneys, each being of 60 minutes' duration. The time limit (7 mins. to the hour) allowed by the Council for the emission of black smoke was once exceeded. In June the Council, acting on my recommendation in the previous year's report, reduced the time limit from 10 mins. to 7 mins.

VITAL STATISTICS.

According to the Regulations of the Local Government Board and County Council, Tables I., II., III., IV., and C have been prepared, giving a classified statement of the births, deaths, and sickness during the year.

The deaths recorded numbered 110, equalling a death rate of 16.1 per 1,000 (83 occurred in the District, and 27 in institutions out of the District of persons usually resident in the District). The births numbered 121 (65 males and 56 females), equalling a birth rate of 17.9 per 1,000. Of the 110 deaths at all ages, 11 were children under one year of age; 3 at one and under two years; 10 at two and under five years; 6 at 15 and under 25 years; 16 at 25 and under 45 years; 26 at 45 and under 65 years; and 38 at 65 years and over. The deaths of infants under one year of age were 11, equalling a rate of infantile mortality of 90.9 (last year 120.9). Of the deaths under one year, three were due to Premature Birth, two to Enteritis, one to Whooping Cough, two to violent deaths, and three to Pneumonia. There were 10 deaths

from zymotic diseases (five to Measles, one to Diphtheria, two to Enteric, and two to Whooping Cough), equalling a rate of 1.4 per 1,000. Deaths from respiratory diseases numbered 18 (excluding four from Phthisis), giving a rate of 2.6 and .5 per 1,000. Cancer caused four deaths, equalling a rate of .5 per 1,000. During the year the cases of infectious diseases numbered 44 (including 19 of Tuberculosis—pulmonary 13, other forms 6). Scarlet Fever, 15 cases (no deaths); Erysipelas, four (no deaths); Diphtheria, five (one death); Enteric, one (two deaths, one in hospital here and another transferred).

I wish to thank the Chairman and Members of the Council for their kind help and consideration during the year.

I am,

Your obedient servant,

A. J. YOUNG.

TABLE I.

Vital Statistics of whole District during 1915 and previous years.

Year	Popula- tion estima'd to middle of each year	Births		Total Deaths Registered in the District		Transferable Deaths		Nett Deaths belonging to the District		
		Uncor- rected Number	Nett Number	Rate	Number	Rate	Of Non- residents registered in the District	Of Non- residents not registered in the District	Under 1 year of age	
									Number	Rate per 1000 nett deaths
1	2	3	4	5	6	7	8	9	10	11
1910	6902		143	22.1	97	14.		18	17	118.
1911	6980		145	20.7	82	11.7		12	22	151.7
1912	7004		137	19.5	75	10.7		16	16	116.7
1913	7021		131	18.6	86	12.2	1	13	19	145.
1914	7036		124	17.6	79	11.2		15	15	120.9
1915	6803		121	17.9	84	12.3		27	11	90.9
									110	16.1

Area of District in acres (land and inland water) 1398.

Total Population at all ages	6967	} At Census, 1911.
Number of inhabited houses	...	...	1698
Average number of persons per house	...	...	4

TABLE II.

**Cases of Infectious Disease notified during the
Year 1915.**

Notifiable Disease.	Number of Cases Notified.							
	At all Ages	At Ages—Years						
		Under 1 year	1 under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 years and upwards
Smallpox								
Cholera (C) Plague (P) ...								
Diphtheria (including Membranous Croup ...	5		2	3				
Erysipelas	4				2	1	1	
Scarlet Fever	15		3	12				
Typhus Fever								
Enteric Fever	1						1	
Relapsing Fever (R) Continued Fever (C)...								
Puerperal Fever								
Cerebro-spinal Meningitis ..								
Polio-myelitis								
Pulmonary Tuberculosis ...	13			1	3	7	2	
Other forms of Tuberculosis	6		2	2	1		1	
Ophthalmia Neonatorum ...								
Totals	44		7	18	6	8	5	

TABLE III.

Causes of, and Ages at Death during the Year 1915.

Causes of Death. I	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District.								
	All Ages	Under 1 year	1 and under 2 years	2 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 years and upwards
	2	3	4	5	6	7	8	9	10
All causes { Certified (c)	110	11	3	10	0	6	16	26	38
Uncertified									
1. Enteric Fever	2							2	
2. Small Pox	0								
3. Measles	5			4			1		
4. Scarlet Fever.. .. .	0								
5. Whooping Cough.. .. .	2	1		1					
6. Diphtheria and Croup.. .. .	1			1					
7. Influenza.. .. .	0								
8. Erysipelas	0								
9. Phthisis (Pulmonary Tuberculosis)	4						2	2	
10. Tuberculous Meningitis	0								
11. Other Tuberculous Diseases	4			1			1	1	1
12. Cancer, malignant Disease.. .. .	4						1	3	
13. Rheumatic Fever	0								
14. Meningitis	0								
15. Organic Heart Disease	22						3	7	12
16. Bronchitis	3						1	1	1
17. Pneumonia (all forms).. .. .	15	3	2	1		1	1	2	5
18. Other Diseases of respiratory Organs.. .. .	0								
19. Diarrhœa and Enteritis	4	2	1						1
20. Appendicitis and Typhlitis	0								
21. Cirrhosis of Liver	0								
21A Alcoholism	0								
22. Nephritis & Bright's Disease	6					2	2	2	
23. Puerperal Fever	0								
24. Other Accidents and Diseases of Pregnancy & Parturition	0								
25. Congenital Debility and Mal- formation including Pre- mature Birth	3	3							
26. Violent Deaths, excluding Suicide	8	2		2			1	1	2
27. Suicide	2					1		1	
28. Other Defined Diseases	22					2	2	4	14
29. Diseases ill-defined or un- known	3						1		2
Totals	110	11	3	10	0	6	16	26	38

TABLE IV.

Infant Mortality during the Year 1915.

Nett Deaths from stated Causes at various Ages under One year of Age.

Causes of Death.	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 4 weeks	4 weeks and under 3 months	3 months and under 6 months	6 months and under 9 months	9 months and under 12 months	Total Deaths under 1 year
All Causes { Certified.. ..										
Uncertified ..										
Small-Pox										
Chicken-Pox										
Measles										
Scarlet Fever.. .. .										
Whooping Cough.. .. .							I			I
Diphtheria and Croup.. .. .										
Erysipelas										
Tuberculous Meningitis ..										
Abdominal Tuberculosis ..										
Other Tuberculous Diseases										
Meningitis (<i>not Tuberculous</i>)										
Convulsions										
Laryngitis										
Bronchitis										
Pneumonia (all forms).. ..									3	3
Diarrhœa						I		I		2
Enteritis										
Gastritis										
Syphilis										
Rickets										
Suffocation, overlying.. ..						I				I
Injury at Birth										
Atelectasis										
Congenital Malformations ..	I				I					I
Premature Birth	I				I	I				2
Atrophy, Debility, and Marasmus..										
Other Causes									I	I
Totals										11

Nett Births in the year { legitimate.. .. . 113
 illegitimate 8

Nett Deaths in the year of { legitimate Infants .. 9
 illegitimate Infants .. 2

OAK BANK,
PRESTWICH.

GENTLEMEN,

Herewith I submit my report on the work carried out from December 31st, 1914, to July, 1915, in accordance with the terms of my appointment of February, 1913, re inspection of cattle, &c., and tubercular milk supply, the remaining portion of year to December 31st being completed by my deputy and colleague, W. E. Richmond, M.R.C.V.S., Bury, owing to circumstances of which you are acquainted.

The number of visits I have made to cowsheds, shippens, or byres was 37, the cattle examined totalling 384. Summary as follows:—

Month	Examined	Action taken
January	51	One developed defective fore quarter— see Report, Jan. 12th, 1915.
February	82	Two suffering from slight and temporary affection.
March	74	In order.
April	28	Do.
May	57	Do.
June	43	Do.
July	49	Do.
	<hr/> 384	Total examined.

Action generally taken was, if possible, to avoid any unpleasantness between owners and the authorities, but this in one instance was an exception, as you are well aware.

In January, 1915, I reported one case of mammary gland affected, and warned the owner that I would inspect the cow again. Shortly afterwards a sample of mixed milk was taken for examination by Prof. Delepine, Manchester, and proved to be tubercular. The owner asserted his right not to allow his cattle to be tested by inoculation of tuberculin, unless guaranteed against financial loss arising from the effects of such inoculation. The requisite written guarantee was given. Result of test was positive, one animal proving to be tubercular. Prof. Delepine's report on sample of milk taken from aforesaid animal stated that the milk gave a negative result. The owner had evidently forestalled any action the Committee thought fit to take by removing the animal (suspect) shortly after the mixed sample was taken.

I remain,

Yours obediently,

J. FEATHERSTONE DIXON, M.R.C.V.S.

VETERINARY INFIRMARY,
10, KNOWSLEY STREET,
BURY, 1915.

*To the Chairman and Members of the Whitefield
' Urban District Council.*

GENTLEMEN,

I herewith submit to you my report on the work carried out for the five months ending December 31st, 1915, namely, the examination of milch cows, in accordance with the terms of appointment.

I have made 29 visits to the various cowsheds or byres.

Month	Examined	Action taken
August	129	On No. 1 Farm one cow under observation.
September	108	Cow mentioned in August Report, disposed of by owner.
October	65	
November	109	
December	68	
	<hr/> 479	

To avoid unnecessary friction, where the health of a cow is not satisfactory I request that the milk be not used for human consumption.

Samples of milk have been taken and submitted to Prof. Delepine for report. These have been dealt with by the Sanitary Inspector.

The Tuberculosis Order being suspended, I was unable to trace the cow mentioned in my reports of August and September.

I remain,

Yours obediently,

WILLIAM E. S. RICHMOND, M.R.C.V.S.

TABLE (C).

Summary of Medical Officer's Report for 1915.

URBAN DISTRICT OF WHITEFIELD.

Medical Officer of Health, ARCHIBALD J. YOUNG.

Inspector of Nuisances, ELI SHAW.

What is the character of the Hospital Accommodation? For Small-pox—Constituent Authority of Bury and District Joint Hospital Board. For other Infectious Diseases—Ditto.

Is it Joint or otherwise? Joint.

No. of Beds available for your District? For Small-pox, 35. For other Infectious Diseases, 96.

Deaths in Hospital of patients removed from your District? From what causes? Two (one from Diphtheria, one from Enteric).

How is Disinfection carried out? No. of Houses disinfected, 26. Method, sprayed and fumigated with Formaldehyde. Are Houses disinfected after Phthisis? Yes. Apparatus used for Clothing, Bedding, &c. (steam or otherwise)? Steam. Where is apparatus situated? Florence Nightingale Isolation Hospital, Bury. If apparatus at a Hospital is available is it used for the disinfection of Clothing, Bedding, &c., of Patients not removed to the Hospital? Yes.

Are any Diseases not specifically mentioned in the Infectious Diseases Notification Act notifiable (for instance, Measles, Whooping Cough, Diarrhœa, Chicken-pox, &c.)? If so, what are they? None.

Diseases specially prevalent? Measles. Period? November.

No. of times School Closure adopted? Once. For what disease? Measles.

No. of Special Reports made under Art. XIX. (15 and 16) Sanitary Officers' Order, 1910? One.

Bacteriological Examinations? Specimens examined : Milk, 5.

Arrangement (if any) made under the Diphtheria Anti-toxin Order, 1910? Anti-toxin kept in reserve and supplied free.

“ The Housing of the Working Classes Acts, 1890 to 1909.”

Has your Authority determined the procedure to be adopted for the inspection of your District as required by Article 1 of the Regulations? Yes.

Has your Authority prepared, as required by Article 1 (3), a list of dwelling-houses, the early inspection of which is desirable? Yes.

Has your Authority designated an officer to undertake the special inspection of houses and to keep the records stipulated by Article 2. If so, what officer? Yes, Inspector of Nuisances.

Have the necessary books, forms, &c., for keeping the required records been obtained? Yes.

Action taken in 1915 :—

Total number of dwelling-houses inspected, two.

No. of Dwelling-houses specially inspected under Section 17 of the Act of 1909? Two.

„ Dwelling-houses considered unfit for human habitation? Two.

„ Representations to Authority with a view to making Closing Orders? Two.

„ Closing Orders made? Two.

„ Dwelling-houses in which defects were remedied without making Closing Orders? Nil.

„ Dwelling-houses put into a fit state of habitation after making Closing Orders? Two.

„ Dwelling-houses demolished? Nil.

General character of defects found to exist? General dilapidations.

Is there a deficiency of housing accommodation? If so, where and to what extent? Owing to decrease in the male population the housing deficiency is not so acute.

What steps are being taken to meet the deficiency? Scheme prepared for erection of 58 houses. Tenders obtained. Scheme adjourned owing to the war.

Number of New Houses built during 1915? None.

Source of the Water Supply? Bury and District Joint Water Board's Reservoirs. What is its condition? Requires filtering. Any insufficiency, and where? None.

Is Scavenging and Removal of House Refuse carried out satisfactorily for whole of district? Yes. How performed (state whether by Sanitary Authority, Contract, or Occupiers of Houses)? By Sanitary Authority.

How is the Refuse disposed of? Carted to tip. Has a Destructor been provided? No. Question of a joint Destructor with Prestwich U.D.C., and it was resolved that neither Authority move in the matter without consulting the other.

Sewage Disposal Works. Method of Treatment? Precipitation tanks, continuous filter, humus tanks, and storm tanks. What is the character of the Drainage System? Any developments during year? Combined system. Park Lane scheme now prepared. L.G.B. enquiry held. Sanction withheld until after war. Action taken—Drain Testing, Flushing, &c.? All new drains "water tested," sewers periodically flushed.

Action taken with regard to the Pollution of Streams? None.

Canal Boats: No. inspected? None.

What is the condition of the Bakehouses? Good.

„ „ „ Slaughter-houses? Good. Has a Public Abattoir been provided? No.

What is the condition of the Lodging-houses? None.

What is the Sanitary condition of the Schools? Satisfactory.

Dairies, Cowsheds, and Milkshops—Are they periodically inspected? Yes. What is their condition? Satisfactory.

Have Regulations been made under the Order of the L.G.B.? Yes. Are they enforced? Yes.

Amount of air space in cubic feet required for each cow? 800.

No. of Cowkeepers? Nine. No. on Register? Nine. No. of inspections during year? 39.

No. of Dairymen or Purveyors of Milk (other than Cowkeepers)? 17. No. on Register? 17.

Any arrangements for veterinary inspection of dairy cows? Veterinary inspection of milk cows carried out by Veterinary Inspector.

Action taken (if any) as to tuberculous milk? Ten samples taken; one found to be tuberculous.

Inspection of Food—No. of Carcases and parts of Carcases condemned for Tuberculosis? One whole carcase and internal organs of a pig, 3 beasts' lungs and 1 beast's liver, 1 pig's head, 1 pig's liver, and 1 set of pig's lungs. Amount of Food, other than the above, condemned as unfit for human consumption? 64-lbs. of tripe. No. of Legal Proceedings, and result? None.

Department of Inspector of Nuisances. No. of Notices served? 98. Nuisances remedied? 227. No. of Legal Proceedings taken and result? None.

Closet Accommodation of the District. No. of Privy Middens? 414. Pail Closets? 70. Fresh Water Closets? 692. Waste Water Closets? 165. No. of Privy Middens converted during 1915? To w.c.'s 8 to 17 w.c.'s; to Pails, &c., none. No. of Pail Closets converted to w.c.'s? None. No. of Waste Water Closets converted to w.c.'s? Two. Does Council contribute towards the cost of conversion? No. What kind of closet accommodation is being provided for new property? Fresh Water Closets.

Smoke. No. of Observations? 22. No. of Legal Proceedings taken and result? None. What is the time limit allowed for the emission of black smoke per hour? 7 mins. per hour; reduced from 10 mins. June, 1915.

Has the Authority adopted—"The Infectious Disease (Prevention) Act, 1890"? Yes. "The Public Health Acts Amendment Act, 1890"? Yes. "The Public Health Acts Amendment Act, 1907"? Section 50 and Part VI.

Has a Health Visitor (whole or part time) been appointed? No.

Has any, and if so what, action been taken respecting Child Welfare Work? No.

Notable Sanitary Improvements during 1915? Reduction of black smoke time limit from 10 mins. per hour. to 7 mins. per hour.

Chief Sanitary requirements of District? Sewering of Park Lane (postponed until after war). More working class houses (ditto). Conversion of privy middens (ditto).

WHITEFIELD,
MARCH, 1916.

GENTLEMEN,

NOTICES.

The greater portion of the nuisances referred to in the notices received immediate attention by the persons concerned. It was necessary, however, to issue 3 statutory notices to secure the abatement of nuisances owing to the non-compliance with the preliminary notices.

Factories and Workshops.

Eighty-eight visits of inspection have been paid to Factories and Workshops in the District, which were found to be in a satisfactory condition generally. Twelve nuisances were discovered. The whole of these nuisances were abated after notices had been served. The total number of bakehouses is 15, two of which are underground bakehouses. The bakehouses were kept in a satisfactory condition. Two notices were served upon the occupiers of the bakehouses to limewash the same.

No notices were received from H.M. Inspector of Factories, calling attention to defective sanitary accommodation.

No Lists of Outworkers were received during the year.

There were 62 Workshops on the Register at the end of the year.

Registered Workshops.

Bakehouses	15
Boot and Shoe Repairing	9
Blacksmiths	2
Builders	1
Cloggers	2
Chip and Fish Shops	6
Drysalterns	2
Dressmakers	2
Hairdressers	3
Joiners	3
Laundry (domestic)	1
Monumental Masons	2
Milliners	2
Painters	2
Plumbers	2
Print Cutter	1
Printers	2
Stocking Knitter	1
Saddler	1
Tailor	1
Watch and Clock Repairer	1
Wheelwright	1
Total	62

Inspection of Factories, Workshops, and Workplaces.

Premises,	Number of		
	Inspections	Written Notices	Prosecutions
FACTORIES (including Factory Laundries)	20		
WORKSHOPS (including Workshop Laundries	68		
WORKPLACES (other than Outworkers premises) ... ..	...	
Total	88		

Defects Found.

Particulars	Number of Defects.			Number of Prosecutions
	Found	Remedied	Referred to H.M. Inspector	
Nuisances under the Public Health Acts	5	5	...	...
Sanitary Accommodation— Unsuitable or defective Insufficient	5 ..	5...	......	......
Offences under F. & W. Acts Illegal occupation of underground Bakehouses	...	...	...	...
Breach of special requirements for Bakehouses	2	2	...	...
Total	12	12	...	...

Slaughterhouses.

The six registered Slaughter-houses in the District have been inspected at intervals, 116 visits being paid.

It was necessary to serve a notice upon the occupiers of two Slaughter-houses to secure the necessary limewashing. The remaining Slaughter-houses have been kept in a satisfactory state, and limewashed in accordance with the Regulations.

The number of carcasses examined was :—

Beasts.	Sheep.	Pigs.	Calf.	Total.
57	151	30	1	239

The total amount of meat seized or surrendered by the owners during the year, as being unfit for human food, was 266-lbs., and consisted of the following :—

Beasts—Lungs	3	Pig—Lungs... ..	1
„ Livers	1	„ Liver	1
Pig—Carcase and organs	1	„ Head	1
Tripe	64-lbs.		

Smoke Observations.

22 Smoke Observations of the Mill and Works chimneys in the District have been taken, each being of 60 minutes' duration.

The total amount of black smoke emitted during the 22 hours was 22 mins., which is equal to an average of 1 minute's black smoke for each observation.

In eight only of the observations was black smoke emitted, the longest emission being 7 mins. 10 secs. ; the average amount of black smoke emitted during the eight observations equalling 2 mins. 45 secs. The time limit for the emission of black smoke was reduced by resolution of the Council passed on 7th June from ten minutes to seven minutes to the hour.

The time limit allowed by the Council for the emission of black smoke was not exceeded.

As early as convenient after each observation, a copy thereof is forwarded to the firm. This enables them at once to ascertain the cause of any excessive emission of black smoke.

Food and Drug Acts.

From a Return supplied by the courtesy of Superintendent Pickering, of Bury, it appears that 43 samples were purchased under the Acts in this District during the year. These included :—

Milk	15	Potted Shrimps	1	Mustard	1
Margarine ...	6	Pepper... ..	5	Damson Jam..	1
Cocoa... ..	1	Butter	6	Sweets	1
Lard	1	Coffee	3	Sugar... ..	1
Cheese	1				

all of which were certified by the Analyst to be genuine.

Dairies and Cowsheds.

The Dairies and Cowsheds have been inspected on 39 occasions.

One notice with respect to the non-limewashing of Cowsheds was served upon one occupier, which secured immediate compliance with the Regulations.

The remaining Cowsheds were kept in a fairly satisfactory condition.

The drainage of the two Cowsheds at one farm in the district has been entirely relaid and placed in a satisfactory condition. Considerable improvements in the lighting and ventilation of the two Cowsheds at the same farm have also been carried out.

In the District there are 9 Cowkeepers using 19 Cowsheds for the purpose of their trade.

The Cowsheds, Dairies, and Milkshops Register contains the names of four persons (being a decrease during the year of one person) selling milk from premises within the District. These are regularly visited, and any insanitary conditions observed are forthwith brought to the notice of the occupier, who usually takes immediate steps to remove the cause of complaint.

The Register also contains the names and addresses of thirteen persons from outside the District who purvey milk within the District (an increase during the year of one purveyor), and to whose premises your Inspectors have no right to visit for the purpose of inspection.

Nine visits have also been paid to Cowsheds along with the Veterinary Inspector.

Milk.

Five samples of milk have been submitted to Prof. Delepine, of the Public Health Laboratory, Manchester, during the year, for bacteriological examination for tubercle bacilli.

Sample No. 1 was from the mixed milk from one farm, no tubercle bacilli being found.

Sample No. 2 was from the mixed milk from another farm, in which tubercle bacilli were found.

Sample No. 3 was taken from a cow on the farm where No. 2 sample was obtained, which was suspected of being affected with tuberculosis of the udder. The sample was examined microscopically and bacteriologically, but no tubercle bacilli were found.

Sample No. 4 was taken from the mixed milk of the remaining cows on the same farm, but did not reveal any signs of tuberculosis, certain cows from the farm being disposed of during the interval between taking the sample No. 2 and sample No. 4.

Sample No. 5 was from mixed milk purveyed in the district and which was produced outside the district. No tubercle bacilli were found.

Infectious Disease.

96 visits have been made to houses in which cases of infectious disease have occurred and been notified, the number of notifications being :—

	Notifica- tions, 1915	Removed to Hospital 1915	Notifica- tions, 1914	Removed to Hospital 1914
Scarlet Fever	15	8	21	11
Typhoid Fever	1	1	0	0
Diphtheria	5	5	2	1
Erysipelas	4	0	3	0
Acute Poliomyelitis	0	0	0	0
Puerperal Fever	0	0	1	0
Ophthalmia Neonatorum ...	0	0	4	0
Total... ..	25	14	31	12

Upon receipt of a notification of infectious disease, the home is visited and endeavours made to trace the origin of the disease, the patient is isolated, either by removal to the Isolation Hospital or placed in a separate room at their own house. If the patient is kept at home, instructions are given respecting isolation and disinfection; the houses being re-inspected during convalescence. On the patient becoming convalescent, intimation is given to the Sanitary Inspector, who gives directions and supervises the disinfection of the room, bedding, clothing, &c.

The sanitary condition of the house is ascertained, and where necessary the drains and fittings are tested for the purpose of detecting conditions dangerous to health.

42 rooms in 26 houses were disinfected with the fumes of formaldehyde, and the interior of the rooms sprayed with a solution of formalin. 15 rooms were disinfected after Phthisis; 27 rooms being disinfected after other infectious diseases.

Two Public Schools have been disinfected with the fumes of formaldehyde; the desks, walls, books, &c., sprayed with a solution of formalin.

Nine sets of infected bedding from homes where the patient has been isolated at home have been disinfected by steam at the Isolation Hospital. The infected bedding from patients removed to Hospital is removed, along with the patient, and disinfected by steam.

Offensive Trades.

There are two offensive trades established in the District, viz., Tripe Boiler and Fellmonger.

Four visits have been paid to the two establishments, which appear to be conducted in a satisfactory manner.

Sewers and Drains.

In the case of new drainage, where a supply of water is available, the "hydraulic" or "water" test is applied to all drains.

The number of defects disclosed by the "water" tests was 30, and chiefly consisted of improperly formed cement joints which were re-tested before being finally approved, and which, in the absence of any test, would have remained serious factors, detrimental to the health of those living in or using the premises with which the defective drains were connected.

The total number of inspections of drains, &c., for the purpose of testing and examination, was 375.

The lengths of the various drains, and the number of sanitary fittings inspected, tested, and approved, are as follows :—

Testing of Drains and Sanitary Fittings.

4-in.	New Drain, Water tested ...	760 lin. ft.	1108 lin. ft.
4-in.	„ not tested ...	348 „	
6-in.	New Drain, Water tested ...	516 lin. ft.	701 lin. ft.
6-in.	„ not tested ...	185 „	
4-in.	Old Drain, "Smoke" tested ...	235 lin. ft.	506 lin. ft.
6-in.	„ „ „ ...	166 „	
9-in.	„ „ „ ...	105 „	
Total ...		2315 lin. ft.	
4-in.	Cast-iron Ventilating Shaft ...	268 lin. ft.	326 lin. ft.
4-in.	„ Fresh Air Inlet Shaft.	58 „	
Defective Drain Pipe Joints ...			36
4-in.	New Trapped Gullies ...		70
4-in.	„ Intercepting Traps ...		2
6-in.	„ „ „ ...		11
	„ „ Chambers ...		14
4-in.	„ Ventilating Shafts on Drains		12
3-in.	Rain Water Downspouts disconnected from Drains ...		26
Total ...			135
Galvanised Iron Ashbins, new ..			7
Privy Middens converted into Dry Ashpits ...			2
New Fresh Water Closets in lieu of privy middens (demolished ...)			3
Existing Structures converted into Water Closets in lieu of privy middens ...			14
New Fresh Water Closets in lieu of Waste W.C.'s ...			2
New Fresh Water Closets ...			18
Total ...			46

House Scavenging.

This work, which is performed by the Council's own employees under the supervision of the Sanitary Inspector, received very careful attention during the year.

The total number of applications received requesting the Council to empty refuse receptacles for the year was eight. Seven of these were applications for emptying ashpits, the remaining one being an application to empty ashbin.

The total number of loads of refuse removed, and the number of receptacles emptied, were :—

Statement.

Showing number of Receptacles emptied and reported to the Sanitary Committee at each Meeting.					
Month		Ashbins	Ashpits	Privy Midd'ns	Loads
January...		2032	70	181	174
February		2034	74	123	170
March ...		2054	119	137	184
April		2565	69	208	222
May		2062	137	151	194
June		1887	83	233	184
July		2436	162	290	232
August ...		2011	85	167	151
Septemb'r		2583	149	304	231
October...		2078	119	192	154
November		2073	74	174	157
December		2623	93	157	180
Totals ...	1915	26438	1235	2317	2233
Total ...	1914	24501	1127	2230	2592

The average weight of the privy midden refuse and dry ashpit refuse is estimated as being 1 ton per load.

The total number of loads of refuse carted to the tip, therefore, represents a weight of 2,233 tons.

The 415 ashbins and 70 pails are emptied weekly.

Closet Accommodation.

The Closet Accommodation of the District at the beginning of the year was :—

Fresh Water Closets ... 662	Increase during year 32	At end of year 694
Waste ,, ... 167	Decrease ,, 2	,, 165
Dry Ashpits ... 209	Increase ,, 2	,, 211
Privy Middens... 422	Decrease ,, 8	,, 414
Ashbins 408	Increase ,, 7	,, 415
Pails 70	Increase ,, 0	,, 70

Housing of Working Classes Acts, 1890 to 1909.

In conformity with the Housing (Inspection of District) Regulations, 1909, the procedure to give effect to these Regulations, and the Requirements of Section 17 of the Housing and Town Planning Act, 1909, has been continued during 1915, but in view of the present crisis only in those cases in which it was found to be essential were any inspections made.

Two houses were inspected during the year and deemed unfit for human habitation.

Two Closing Orders under Section 18, Sub-Section (2) of the Housing and Town Planning Act were issued on the two houses. The necessary alterations to make the houses in all respects reasonably fit for habitation were in progress at the end of the year.

The alterations with respect to the seven houses upon which Closing Orders were issued during 1914 were completed, the houses being rendered fit for human habitation.

The total number of houses inspected is 360, and the number of Closing Orders issued during the past three years 23. Four Orders determining Closing Orders have been issued upon the houses being made fit for human habitation.

Summary of Visits.

Visits in respect to Infectious Diseases	96
„ to Slaughter-houses	116
„ „ Factories and Workshops	88
„ „ Cowsheds and Dairies	39
„ „ Offensive Trades	4
„ „ Test Drains and Fittings, and to works in progress	375
„ <i>re</i> Housing and Town Planning Act	14
Interviews and Appointments and Nuisances of a general character	339
Smoke Observations	22
Visits to Farms with Veterinary Inspector	9
	<hr/>
Total	<u>1102</u>

I am, Gentlemen,

Yours obediently,

ELI SHAW,

Sanitary Inspector.



